

**Notice of Allowability**

Application No.

10/723,876

Applicant(s)

KIM, KIL HO

Examiner

Robert A. Hopkins

Art Unit

1724

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 11-26-03.
2. ☒ The allowed claim(s) is/are 1-3.
3. ☒ The drawings filed on 26 November 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 2-9-04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 1 line 2 after "discharging", delete "the".

In claim 1 line 2 after "by", delete "the" and insert -- an -- .

Examiner notes the examiner's amendment is to correct a potential lack of antecedent basis for "the air filter" in lines 2-3 of claim 1.

### ***Allowable Subject Matter***

Claims 1-3 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1 recites "a receiving case installed into the main body and having first through-slits formed on circumferential surface and hooking holes in the shape of arc formed at an end thereof; a rotating case for receiving an aroma pack, the rotating case being inserted into the receiving case and having second through slits corresponding to the first slits formed along circumferential surface and hooks formed at an end thereof for being hooked on the hooking holes". Choquet(6877674) discloses a dashboard

Art Unit: 1724

having an opening, the opening in communication with a ventilating, heating, and air conditioning device of a vehicle, wherein a receiving case(15) is installed onto the dashboard, the receiving case having first through slits(17) formed on the circumferential surface, a rotating case(18) for receiving an aroma pack(14), the rotating case being inserted into the receiving case and having second through slits corresponding to the first through slits, wherein the first through slits may or may not overlap with the second through slits depending on the rotation angle of the rotating case. However, the receiving case of Choquet has a solid end wall(see figure 4) and does not include hooking holes in the shape of an arc at the end surface. It would not have been obvious to someone of ordinary skill in the art at the time of the invention to provide hooking holes and hooks on the rotating case which correspond to the hooking holes because Choquet does not suggest such a modification.

Barradas(5735918) discloses an air purifier having an aroma generation device(46) within the body of the air purifier, the aroma generation device having a scent container with a cover having holes for permitting scent to rise from the container, and a slide mechanism(72) for adjusting the amount of scent generated. However, Barradas does not teach or suggest the claimed structured of the receiving case and the rotating case. It would not have been obvious to someone of ordinary skill in the art at the time of the invention to provide a receiving case installed into the main body and having first through-slits formed on circumferential surface and hooking holes in the shape of arc formed at an end thereof; a rotating case for receiving an aroma pack, the rotating case being inserted into the receiving case and having second through slits

Art Unit: 1724

corresponding to the first slits formed along circumferential surface and hooks formed at an end thereof for being hooked on the hooking holes because Barradas does not suggest such a modification.

Claims 2 and 3 depend on claim 1 and hence are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

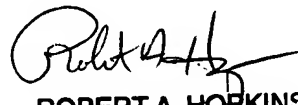
Art Unit: 1724

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert A. Hopkins whose telephone number is 571-272-1159. The examiner can normally be reached on Monday-Friday, 7am-4pm, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rah  
January 25, 2006

  
ROBERT A. HOPKINS  
PRIMARY EXAMINER  
A.U. 1724